

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of claims:

Claim 1 (currently amended). A method for protecting components of a primary system of a boiling water reactor having a pressure vessel and a feedwater line opening out into the pressure vessel, the method which comprises:

providing an alcohol that is oxidizable under operating conditions of the primary system;

feeding the alcohol into a primary coolant to establish an alcohol concentration of from 0.1 to 300 less than 10 $\mu\text{mol/kg}$ (≈ 0.0032 to less than 0.32 ppm) in a downcomer, the downcomer extending downward at an opening of the feedwater line, with surfaces of the components still being bright or covered only by a native oxide layer.

Claim 2 (cancelled).

Claim 3 (original). The method according to claim 1, which comprises protecting the components against stress corrosion cracking.

Claim 4 (original). The method according to claim 1, which comprises feeding the alcohol into a condensate or feedwater system and carrying the alcohol into the primary system with the feedwater.

Claim 5 (original). The method according to claim 1, wherein the alcohol is selected from the group consisting of methanol, ethanol, and propanol.

Claim 6 (original). The method according to claim 1, which comprises doping the component surfaces with a precious metal.

Claim 7 (original). The method according to claim 6, wherein the component surfaces are doped with platinum.